



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Bipin S. Parekh, Jeffrey J. Spiegelman, Robert S. Zeller and Russell J. Holmes

Application No.: 10/565,486

Group: 2851

371(c) Date: May 4, 2006

Examiner: Alan A. Mathews

Confirmation No.: 2074

For: Lithographic Projection Apparatus, Purge Gas Supply System and Gas  
Purging Method

<b>CERTIFICATE OF MAILING OR TRANSMISSION</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:	
<u>3/5/09</u> Date	<u>Kristin Lovett</u> Signature
<u>Kristin Lovett</u> Typed or printed name of person signing certificate	

**REQUEST FOR CORRECTED FILING RECEIPT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We hereby request that the following items of information be corrected in the Filing Receipt for the subject application received in this office on November 6, 2006.

Applicants' respectfully note that the Title of the Invention was amended by the PCT on the International Search Report, as shown on the enclosed copy. Accordingly, the correct Title of the application should be that which was amended by the PCT since Applicants did not further amend the Title. Applicants' respectfully request that the Title be corrected because that Title was used on the "Declaration for Patent Application".

The errors and corrections appear below.

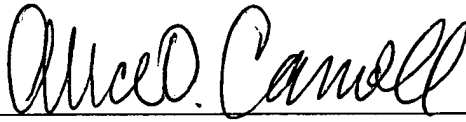
In the Title of the Invention, delete "gas purging method, device manufacturing method and purge gas supply system" and insert -- purge gas supply system and gas purging method --

A copy of the Filing Receipt with changes noted thereon is enclosed.

Pursuant to instructions in the February 29, 2000 O.G., we hereby request that the errors which are identified above be corrected in the captioned application to which this request for correction is directed. It is understood that the Patent Office will issue an automatically-generated, corrected Filing Receipt in this and, if applicable, any other affected applications.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By   
\_\_\_\_\_  
Alice O. Carroll  
Registration No. 33,542  
Telephone: (978) 341-0036  
Facsimile: (978) 341-0136

Concord, MA 01742-9133  
Date: March 5, 2009



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/565,486	05/04/2006	2851	3380	31941033013	9	47	8

CONFIRMATION NO. 2074

021005  
 HAMILTON, BROOK, SMITH & REYNOLDS, P.C.  
 530 VIRGINIA ROAD  
 P.O. BOX 9133  
 CONCORD, MA 01742-9133

## FILING RECEIPT



\*OC000000021028510\*

Date Mailed: 10/31/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Bipin S. Parekh, Chelmsford, MA;  
 Jeffrey J. Spiegelman, San Diego, CA;  
 Robert S. Zeller, Boston, MA;  
 Russell J. Holmes, Santee, CA;

## Assignment For Published Patent Application

Bipin S. Parekh, Jeffrey J. Spiegelman, Robert S. Zeller and Russell J. Holmes

Power of Attorney: The patent practitioners associated with Customer Number **021005**.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US04/23490 07/21/2004

## Foreign Applications

UNITED STATES OF AMERICA 10/623180 07/21/2003

If Required, Foreign Filing License Granted: 10/30/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/565,486**

Projected Publication Date: 02/08/2007

RECEIVED

NOV 06 2006

HAMILTON, BROOK  
 SMITH & REYNOLDS, P.C.

**Non-Publication Request:** No

**Early Publication Request:** No

**Title**

Lithographic projection apparatus, ~~gas purging method, device manufacturing method and purge gas supply system~~ **purge gas Supply System and gas purging method**

**Preliminary Class**

355

## **PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES**

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

---

### **LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where

the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

#### **NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



## PATENT COOPERATION TREATY

PCT

COPY

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P69898PC00	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/NL2004/000519	International filing date (day/month/year) 20/07/2004	(Earliest) Priority Date (day/month/year) 21/07/2003
Applicant  ASML NETHERLANDS B.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

LITHOGRAPHIC PROJECTION APPARATUS, PURGE GAS SUPPLY SYSTEM AND GAS PURGING METHOD

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 3

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G03F7/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 4 704 348 A (KOIZUMI ET AL) 3 November 1987 (1987-11-03) abstract figures 2,3,7 column 1, line 7 - line 11 column 2, line 13 - line 26 column 2, line 55 - column 3, line 18 column 3, line 39 - line 44 column 3, line 53 - line 57 column 3, line 65 - column 4, line 1 column 4, line 8 - line 11 column 4, line 65 - column 5, line 29 ----- -/--</p>	1-13

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*G\* document member of the same patent family

Date of the actual completion of the international search

15 June 2005

Date of mailing of the international search report

06/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Andersen, O

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 892 572 A (NISHI ET AL) 6 April 1999 (1999-04-06) abstract figure 1 column 1, line 12 - line 18 column 4, line 40 - column 5, line 60 column 7, line 17 - column 8, line 52 -----	1,6-13
A	US 2003/035087 A1 (MURAYAMA MASAYUKI) 20 February 2003 (2003-02-20) abstract figure 1 paragraph '0001! paragraph '0014! paragraph '0041! -----	1,11-13



## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/NL2004/000519

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 4704348	A	03-11-1987	DD	160756 A3	29-02-1984
			CH	651423 A5	13-09-1985
			DE	3214325 A1	27-01-1983
			FR	2504696 A1	29-10-1982
			GB	2100453 A , B	22-12-1982
			JP	57177144 A	30-10-1982
			KR	8600158 B1	27-02-1986
			NL	8201726 A	16-11-1982
			SU	1238274 A1	15-06-1986
US 5892572	A	06-04-1999	JP	3500619 B2	23-02-2004
			JP	7176477 A	14-07-1995
US 2003035087	A1	20-02-2003	JP	3601171 B2	15-12-2004
			JP	9266148 A	07-10-1997
			JP	3633086 B2	30-03-2005
			JP	9266147 A	07-10-1997
			JP	9275055 A	21-10-1997
			JP	9283401 A	31-10-1997
			US	6535270 B1	18-03-2003